7TH GRADE PROGRAM OF STUDIES

	Recipe for a Fire	Stopping the Flames	Fire & Man – Friend or Foe	Hot Habitats	Plot Monitoring	Acre by Acre	Fire & Weather	Weather in you pocket	Firefighting costs Money
GRADE 7 ENGLISH/LANGUAGE ARTS									
Reading									
Students will									
❑ identify the meaning of a variety of reading materials, making connections to students' lives, to the real world, and/or to current events.			X	X			X		X
❑ respond to and analyze transactive reading materials (informational, practical/workplace, and persuasive) through raising and addressing questions, making predictions, drawing conclusions, solving problems, and summarizing information (additional supporting Academic Expectation 5.1).			X	X			X		X
❑ interpret and apply information in a variety of transactive reading materials to complete authentic tasks.	X		X	X			X		X
❑ identify authors' positions, main ideas, and techniques of support in persuasive materials.			X						
❑ employ reading strategies (e.g., skimming, scanning) to locate and apply information in varied print and nonprint (e.g., computers, media, interviews) resources for inquiry projects and other authentic tasks.			X	X			X		X
❑ use vocabulary and comprehension strategies, as well as technology, to understand text.			X						
Writing									
Students will									
❑ respond to reading, listening, observing, and inquiry through applying writing-to-learn strategies in situations such as graphic organizers, notetaking, journals, and logs and writing-to-demonstrate-learning strategies in situations such as graphic organizers, open-response questions, and summaries.			X	X					
❑ use information from technology and other resources to develop independent ideas and support those ideas in writings for authentic purposes and audiences.			X	X					X
❑ write transactive pieces (writing produced for authentic purposes and audiences beyond completing an assignment to demonstrate learning), based on inquiry and/or personal experience that show independent thinking and incorporate ideas and information from reading, listening, observing, and inquiry.				X					
❑ write personal pieces to communicate ideas.				X					X
Speaking/Listening/Observing									
Students will									
❑ adjust listening and observing strategies for specific situations and purposes (e.g., to follow directions, to acquire information, for entertainment, to complete a task).		X			X	X	X	X	X
❑ apply organizational skills and delivery techniques to produce oral messages and products with and without technology.									X
❑ apply listening, speaking, and observing skills to conduct authentic inquiry tasks and to create products (additional supporting Academic Expectation 5.1).		X			X	X	X	X	X

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Inquiry									
Students will									
❑ develop effective questions to obtain ideas and information and access resources to address those questions.			X						
❑ identify the most appropriate resources to accomplish different tasks (additional supporting Academic Expectation 5.4).			X			X			X
❑ follow a logical plan of inquiry to complete tasks.			X						
❑ use research tools to gather and organize ideas and information from library, personal, and community resources.			X						X
Technology as Communication									
Students will									
❑ use appropriate technology to access ideas and information for authentic tasks.			X		X	X		X	X
GRADE 7 MATHEMATICS									
Number and Computation									
Students will									
❑ extend understanding of operations (=, -, x,÷) to include integers.									X
❑ develop number sense for pi as one example of an irrational number.									
❑ apply meaning of ratio and proportion to problems.						X			
❑ extend and apply addition, subtraction, multiplication, and division of integers both concretely and symbolically (mental, pencil and paper, calculators).	X								X
❑ develop proportional thinking, rates, scaling, and similarity.						X			
Geometry and Measurement									
Students will									
❑ find circle measurements (radius, diameter, circumference, area) and the relationships among them.					X				
Probability and Statistics									
Students will									
❑ collect, organize, analyze, and interpret data in a variety of graphical methods, including circle graphs, multiple line graphs, double bar graphs, and double stem and leaf plots.					X				
❑ make predictions, draw conclusions, and verify results from statistical data and probability experiments.					X	X			
❑ select an appropriate graph to represent given data and justify its use.					X				
❑ determine appropriate techniques to use when investigating solutions to probability problems (using counting techniques; tree diagrams; area models; and exhaustive, organized lists, charts, and tables).					X				
Algebraic Ideas									
Students will									
❑ represent, interpret, and describe functional relationships through tables, graphs, and verbal rules (input/output).					X			X	
❑ use a variety of methods and representations to create and solve single-variable equations that may be applied to everyday situations.						X			
❑ interpret relationships between tables, graphs, verbal rules, and equations.					X				

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GRADE 7 SCIENCE									
Scientific Inquiry									
Students will									
❑ identify and refine questions that can be answered through scientific investigations combined with scientific information.					X	X		X	
❑ use appropriate equipment (e.g., spring scales), tools (e.g., spatulas), techniques (e.g., measuring), technology (e.g., computers), and mathematics in scientific investigations.					X	X		X	
❑ use evidence (e.g., measurements), logic, and scientific knowledge to develop scientific explanations.	X				X	X	X	X	
❑ design and conduct different kinds of scientific investigations to answer different kinds of questions.						X		X	
❑ communicate (e.g., write) designs, procedures, and results of scientific investigations.					X	X			
❑ review and analyze scientific investigations and explanations of other students.					X			X	
Physical Science									
Students will									
❑ investigate characteristic properties (e.g., density) of substances.	X				X		X	X	
Life Science									
Students will									
❑ investigate biological adaptation and extinction.				X					
Applications/Connections									
Students will									
❑ use science to evaluate the risks and benefits to society for common activities (e.g., riding on airplanes, choice of habitation).	X			X	X		X		
❑ describe the effects of science and technology (e.g., television, computers) on society.	X	X							
GRADE 7 SOCIAL STUDIES									
Geography									
Students will									
❑ examine how technology influences modifications of the physical environment.			X						X
Culture and Society									
Students will									
❑ give examples of cooperation, conflict, and competition that resulted from the interaction of cultures.			X						
GRADE 7 HEALTH EDUCATION									
Individual Well-Being									
Students will									
❑ examine how respect, rules, communication, and cooperation enable groups to function effectively.		X	X		X		X		X
❑ demonstrate conflict resolution strategies.		X					X		
❑ determine procedures for dealing with unsafe and threatening situations.		X						X	

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Mental Wellness									
Students will									
❑ develop coping strategies to use with increasing peer pressure.		X							
Community Services									
Students will									
❑ suggest solutions to community environmental problems.	X								
GRADE 7 PHYSICAL EDUCATION									
Personal Wellness									
Students will									
❑ evaluate their own health-related fitness.									X
❑ develop personal fitness goals and personal fitness programs.									X
Psychomotor									
Students will									
❑ apply movement concepts (e.g., space awareness, effort, formations that occur between objects and people) in various games and sports activities.									
❑ demonstrate increasing competence in advanced individual, dual, and team skills.									
❑ demonstrate improved strategies for a variety of games and activities.		X							
Lifetime Activity									
Students will									
❑ describe benefits of regular participation in leisure, recreational, and competitive physical activity.									X
❑ apply rules and fair play in games and sports.	X	X					X		
❑ practice to achieve consistency in games and sports.		X					X		